

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/002686

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C51/12 B01J23/46 C07C53/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 849 250 A (BP CHEM INT LTD) 24 June 1998 (1998-06-24) page 4, line 49; claims 1-16	1-27
X	EP 0 643 034 A (BP CHEM INT LTD) 15 March 1995 (1995-03-15) cited in the application claims 1-10; page 3, line 5; Experiments I and K; Example 14; Table 2b, 3-7	1-27
X	EP 0 752 406 A (BP CHEM INT LTD) 8 January 1997 (1997-01-08) cited in the application claims 1-10; page 3, line 42; Tables 1, 3 and 9	1-27
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

16 November 2004

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24/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.  
Fax: (+31-70) 340-3016

Authorized officer

Grammenoudi, S

## INTERNATIONAL SEARCH REPORT

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PCT/GB2004/002686

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 099 680 A (BP CHEM INT LTD) 16 May 2001 (2001-05-16) claim 1; page 5, lines 9-10; Table -----	1-27
X	EP 1 099 681 A (BP CHEM INT LTD) 16 May 2001 (2001-05-16) claim 1; page 6, lines 39-40; Table -----	1-27
P,X	WO 03/104179 A (BP CHEM INT LTD ; LAW DAVID JOHN (GB)) 18 December 2003 (2003-12-18) claim 1; page 5, line 32; page 8, line 26 -----	1-27
X	US 5 281 751 A (SCHRECK DAVID J) 25 January 1994 (1994-01-25) claims 1-17; column 6, lines 37-41; column 8, lines 29-36 -----	1-27
X	GB 1 276 326 A (MONSANTO CO) 1 June 1972 (1972-06-01) claim 1; page 5, lines 93-104 -----	1-20
A	US 5 625 094 A (NOBEL DOMINIQUE ET AL) 29 April 1997 (1997-04-29) claims 1, 19 and 29 -----	1-27

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/002686

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0849250	A	24-06-1998	BR 9706417 A	23-11-1999
			CA 2225868 A1	19-06-1998
			CN 1192432 A ,B	09-09-1998
			DE 69717062 D1	19-12-2002
			DE 69717062 T2	17-07-2003
			EP 0849250 A1	24-06-1998
			ID 19691 A	30-07-1998
			JP 10273470 A	13-10-1998
			NO 975916 A	22-06-1998
			NZ 329436 A	25-11-1998
			RU 2183618 C2	20-06-2002
			SG 55437 A1	21-12-1998
			TW 448152 B	01-08-2001
			US 6140535 A	31-10-2000
			ZA 9711267 A	15-06-1999
EP 0643034	A	15-03-1995	BR 9403499 A	16-05-1995
			CA 2117569 A1	11-03-1995
			CN 1107460 A ,B	30-08-1995
			CN 1210760 A ,B	17-03-1999
			DE 69410557 D1	02-07-1998
			DE 69410557 T2	17-09-1998
			EP 0643034 A1	15-03-1995
			ES 2116539 T3	16-07-1998
			FI 944164 A	11-03-1995
			IN 187227 A1	02-03-2002
			JP 7165664 A	27-06-1995
			NO 943318 A	13-03-1995
			NZ 264419 A	28-03-1995
			RU 2132840 C1	10-07-1999
			SG 43676 A1	14-11-1997
			US 5672743 A	30-09-1997
			US 5990347 A	23-11-1999
			US 5942460 A	24-08-1999
			ZA 9406375 A	22-02-1996
EP 0752406	A	08-01-1997	AT 194825 T	15-08-2000
			AT 212970 T	15-02-2002
			BR 9602849 A	28-04-1998
			BR 9602850 A	28-04-1998
			CA 2175028 A1	22-12-1996
			CA 2175031 A1	22-12-1996
			CN 1139097 A ,B	01-01-1997
			CN 1141910 A ,B	05-02-1997
			DE 69609381 D1	24-08-2000
			DE 69609381 T2	28-12-2000
			DE 69619030 D1	21-03-2002
			DE 69619030 T2	27-06-2002
			EP 0749948 A1	27-12-1996
			EP 0752406 A1	08-01-1997
			JP 9002992 A	07-01-1997
			JP 9002993 A	07-01-1997
			NO 961722 A	23-12-1996
			NO 961723 A	23-12-1996
			NZ 286473 A	24-06-1997
			NZ 286474 A	26-05-1997
			RU 2167850 C2	27-05-2001
			RU 2160248 C2	10-12-2000

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/002686

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0752406	A	SG 48445 A1	17-04-1998
		SG 45474 A1	16-01-1998
		TW 396150 B	01-07-2000
		US 5696284 A	09-12-1997
		ZA 9603353 A	27-10-1997
		ZA 9603354 A	27-10-1997
EP 1099680	A 16-05-2001	CA 2325656 A1	12-05-2001
		CN 1299804 A	20-06-2001
		EP 1099680 A2	16-05-2001
		ID 28373 A	17-05-2001
		JP 2001181229 A	03-07-2001
		SG 96583 A1	16-06-2003
		TW 572888 B	21-01-2004
		US 6686500 B1	03-02-2004
EP 1099681	A 16-05-2001	CA 2325707 A1	12-05-2001
		CN 1295998 A	23-05-2001
		EP 1099681 A2	16-05-2001
		ID 28375 A	17-05-2001
		JP 2001181230 A	03-07-2001
		SG 97965 A1	20-08-2003
		TW 528748 B	21-04-2003
		US 6472558 B1	29-10-2002
WO 03104179	A 18-12-2003	WO 03104179 A1	18-12-2003
US 5281751	A 25-01-1994	CA 1231966 A1	26-01-1988
		DE 3464238 D1	23-07-1987
		EP 0144935 A2	19-06-1985
		JP 60136534 A	20-07-1985
		KR 8903785 B1	04-10-1989
		ZA 8409362 A	31-07-1985
		CA 1231965 A1	26-01-1988
		DE 3464361 D1	30-07-1987
		EP 0144936 A2	19-06-1985
		JP 1880232 C	21-10-1994
		JP 3038256 B	10-06-1991
		JP 60155147 A	15-08-1985
		KR 8901915 B1	31-05-1989
		ZA 8409361 A	31-07-1985
GB 1276326	A 01-06-1972	DE 1941449 A1	19-03-1970
		FR 2015741 A5	30-04-1970
		US 3813428 A	28-05-1974
		US 4690912 A	01-09-1987
US 5625094	A 29-04-1997	FR 2703351 A1	07-10-1994
		BR 9401361 A	01-11-1994
		CA 2120407 A1	01-10-1994
		CN 1100087 A ,B	15-03-1995
		CZ 9400754 A3	16-11-1994
		DE 69403838 D1	24-07-1997
		DE 69403838 T2	22-01-1998
		EP 0618183 A1	05-10-1994
		ES 2105545 T3	16-10-1997
		JP 2517532 B2	24-07-1996
		JP 6340574 A	13-12-1994

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/002686

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5625094	A	KR 166998 B1	20-03-1999
		RU 2128159 C1	27-03-1999
		SK 38094 A3	08-02-1995
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